



National Aeronautics and Space
Administration
Goddard Space Flight Center

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ANNOUNCEMENT

SUBJECT: GSFC's Electrical Load Shedding Plan

YOU HAVE THE POWER!

What is a Load Shedding Plan?

A Load Shedding Plan is a controlled way to reduce electrical load. This has to be done at times because the electrical system cannot handle the demand or to reduce utility costs.

How can you help?

The Director of Management Operations will notify GSFC employees by e-mail when the Load Shedding Plan will be implemented. This is your cue to significantly reduce energy consumption at your workspace. Please turn off any equipment that is absolutely not needed or that you could do without for the rest of the day. No load is too small. Turn off any light that is not needed, as well as computers, computer monitors, space heaters, task lights, etc, even if for an hour. Remind your co-workers to do the same. We are not asking you to turn off equipment you need to do your work, but look for items you could do without for the rest of the day.

Why does GSFC need to do this?

As a result of electric deregulation, Goddard's electric cost will increase from \$7 million dollars a year to more than \$8 million dollars. To reduce the impact of this increased cost, Goddard Energy Management Program has implemented a Load Shedding Plan which will have a minimum impact on employees. Although Goddard will not be able to offset the entire million dollars, small efforts on everyone's part will make significant reductions in our energy bills.

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What is GSFC trying to do?

It is important to understand how GSFC's electrical bill is structured. Electric bills are made up of two major elements – kWh (electricity usage) and kW (maximum electricity demand). In terms of water, kWh would be the total amount of water used in your house during one month. kW would be the maximum amount of water needed to run two showers, a dishwasher, and two lawn sprinklers all at the same time. Although we want to reduce both kWh and kW, the goal of this effort is to reduce the latter. PEPCO calculates GSFC's kW demand rate based on the average of our energy use during five specific days, when the electric system is at its highest point between June and September. By modeling based on last year's peak, we will be selecting 12 days for GSFC to implement a Load Shedding Plan in an attempt to reduce our electric kW demand charge.

What is FMD doing?

When GSFC receives notification to begin shedding load, FMD will turn off a Chiller at the power plant and initiate an Environmental Control Program, which will reduce the amount of chilled water used in a select number of air conditioning units. Room temperatures may rise slightly in those areas for a few hours in the afternoon. In previous years, the call to reduce load came around 2 p.m., so most employees barely even noticed any change.

You Have the Power to help make this plan a success. Please do your part. If you have questions concern this effort, please contact Barry Green, GSFC's Energy Manager, at 301-286-7383.



Diane Williams

Director of Management Operations